

Warwick Township Lititz Run Sewer Plant Stream Habitat Restoration Project

Spring 2024

Lititz Run Habitat Restoration

Warwick Township is working to restore stream habitat and improve water quality along an approximately 785 linear foot unstable reach of stream channel in Lititz Run near the existing sewer plant.

The project is funded by the Lancaster Clean Water Partners. Project partners include Warwick Township, Donegal Trout Unlimited, Lancaster County Conservation District, and U.S. Fish & Wildlife Service to implement this water quality and habitat improvement project.

Construction of this project is anticipated to be completed in the spring of 2024.

Based on preliminary project design, the project will include the installation of 385 feet of mudsills, 3 cross vanes, 9 boulder clusters, 100 feet of brush matting and 255 feet of rock toe.



Existing Site Conditions

Purpose

The goals of the Lititz Run Sewer Plant Stream Habitat Restoration Project are to **improve water quality and restore habitat for a variety of native aquatic and riparian species** in the Lititz Run Watershed, other downstream waters, and ultimately the Chesapeake Bay.

As part of the Township's Municipal Separate Storm Sewer System (MS4) Permit, it is required to implement Best Management Practices (BMPs) to reduce pollution discharge to the waterways. This restoration project is a BMP that will achieve significant sediment and nutrient reductions that fulfill MS4 permit requirements.



After Streambank Stabilization - Example